

# Equipment Guide



# HANNA

A DIVISION OF JIM COLEMAN COMPANY





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In 2005, two of the best-known names in the industry joined together to form the ultimate car wash equipment powerhouse. **Jim Coleman Company** acquired **Hanna** to bring you the most complete, highest-quality equipment solution available – with Coleman self serve and in-bay products, and Hanna conveyor systems. By providing the best products in every car wash segment and a diverse network of distributors who are legendary for service, Coleman and Hanna give you the best of both worlds.

Since 1960, **Hanna** has been the premier supplier of innovative car wash equipment. Today, Hanna has the world's largest customer base of installed conveyor systems and over 30,000 car wash installations worldwide.

As a pioneer of the car wash industry, **Hanna** invented the soft cloth system of cleaning cars. No other car wash manufacturer beats the decades of experience **Hanna** has to offer, which is why the industry so often turns to us to develop innovative new car wash systems. **Hanna's** years of experience is combined with its team of world-class engineers and designers to provide the most advanced and effective systems available.

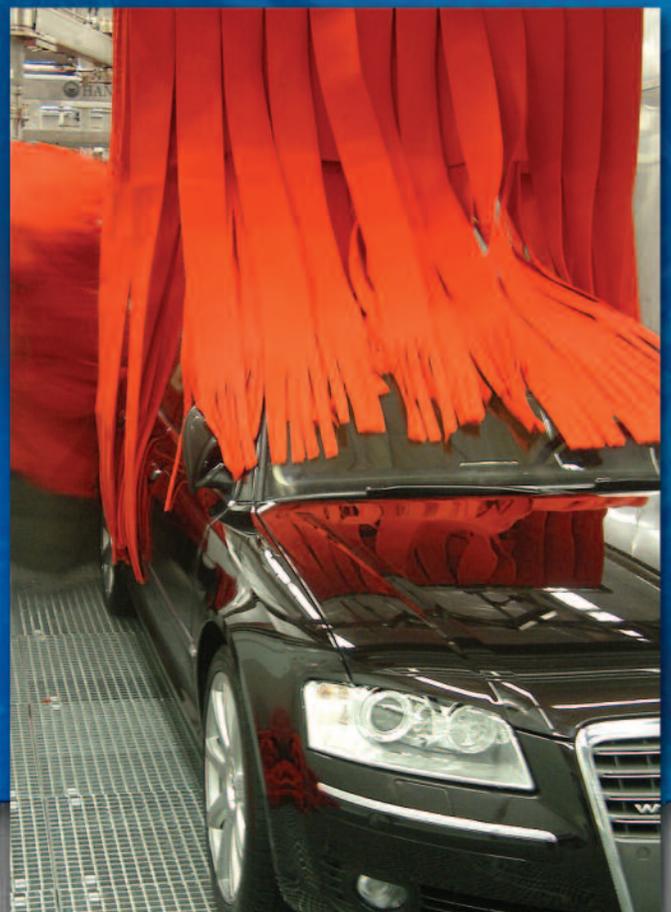
No matter where you are in the world, there is a **Hanna** distributor with complete parts and service capability ready to assist you with every car wash need. Currently, there are over 90 Hanna distributors worldwide – providing expert support in every step of the business process

from financing and permits to construction and maintenance. Both new car wash operators and industry veterans alike prefer **Hanna** because of the knowledge and skills of our distributors and staff.

To locate your nearest distributor, please visit [www.hannacarwash.com](http://www.hannacarwash.com) or call (800) 288-6927.

### ***Unmatched Reliability***

More than 120 auto manufacturer installations throughout the world rely on **Hanna Car Wash Systems** to wash their cars. Hanna is trusted by BMW, Mercedes, Chrysler, Lexus, Nissan, General Motors, Ford, Toyota and Audi – to name a few. In fact, before a buyer takes delivery of a car, odds are **Hanna** has washed it twice – once at the factory and again before delivery.





### **Car Wash as a Business Opportunity**

In just about every corner of the world, car washing is a lucrative business opportunity. According to the International Carwash Association (ICA), people across the globe spend more than \$22.2 billion annually to have their vehicles professionally cleaned. And, business is growing. In 2001, the ICA reported that over half of all conveyor car wash businesses enjoy an average yearly increase in wash volume of 15%.

### **Market Potential**

The potential market of car washes increases daily due to the following factors:

- Car prices are higher and on the rise.
- There are more cars on the road than ever before.
- People are keeping cars longer. Close to 40% of vehicles on the road are 10 years or older (ICA).
- Approximately 43% of Americans primarily wash their cars at home (down from 48% in 1996), providing a large potential customer base.
- Government enforcement of laws concerning the environment and pollution is making motorists aware of the harmful effects of driveway washing.
- Due to recent droughts, many government entities have actually banned driveway washing.

**Hanna** is dedicated to assisting investors in developing successful car wash businesses through premier solutions coupled with experienced local support. Since 1960, Hanna has been the leader in the car washing industry – assisting thousands of people worldwide with starting car wash businesses.

### **Return On Investment**

Car washes not only serve an ever growing market, they have a long track record of performance. A properly located and equipped car wash can provide one of the most solid returns on investment of any business. Car washes provide a steady base of cash flow and have few inventory requirements. Car wash owners rarely are burdened with invoicing, collecting or bad debts.

# About Conveyor Systems



**W**hile there are many types of car washes to choose from, conveyor systems (or tunnels) can wash the highest volume of vehicles and generate the greatest amount of cashflow.

Conveyor car washes all have one thing in common – conveyors are used to control the speed of the wash process and increase the number of cars that can be washed per hour. Increasing the number of cars washed per hour means increasing revenue. Conveyor car

washes increase volume (cars per hour) and improve quality by safely spacing vehicles and controlling speed – allowing the wash equipment to effectively clean each vehicle.

Conveyor car washes are operated as Express Exterior-only, flex-serve or full-service. Exterior-only operations focus on cleaning a vehicle's exterior, letting the motorist clean their own interior. Revenue per vehicle is lower for the exterior-only operator than for full-service, but labor costs are also lower. Full-service opera-

tions have attendants to greet, vacuum, clean windows, clean the dash, and finish drying the exterior of the vehicle. For the highest revenue potential, the large full-service car wash is the operator's choice. However, labor requirements vary depending on the services.



Since 1960, **Hanna** has been the leading provider of conveyor car wash systems. The popularity of Hanna's conveyor systems has grown due to the equipment's flexibility, durability, longevity and functionality.

Hanna has many conveyor systems available – all adaptable to perfectly match your financial goals and site requirements. Depending on the configuration and length of the tunnel, as many as 200+ cars can be washed per hour. With Hanna systems, you can generate additional income by offering extra services such as clearcoat, polish, wheel cleaning and underbody treatment. Hanna's Express Exterior washes can be operated with or without attendants.



# About Conveyor Systems

# Express Exterior Systems



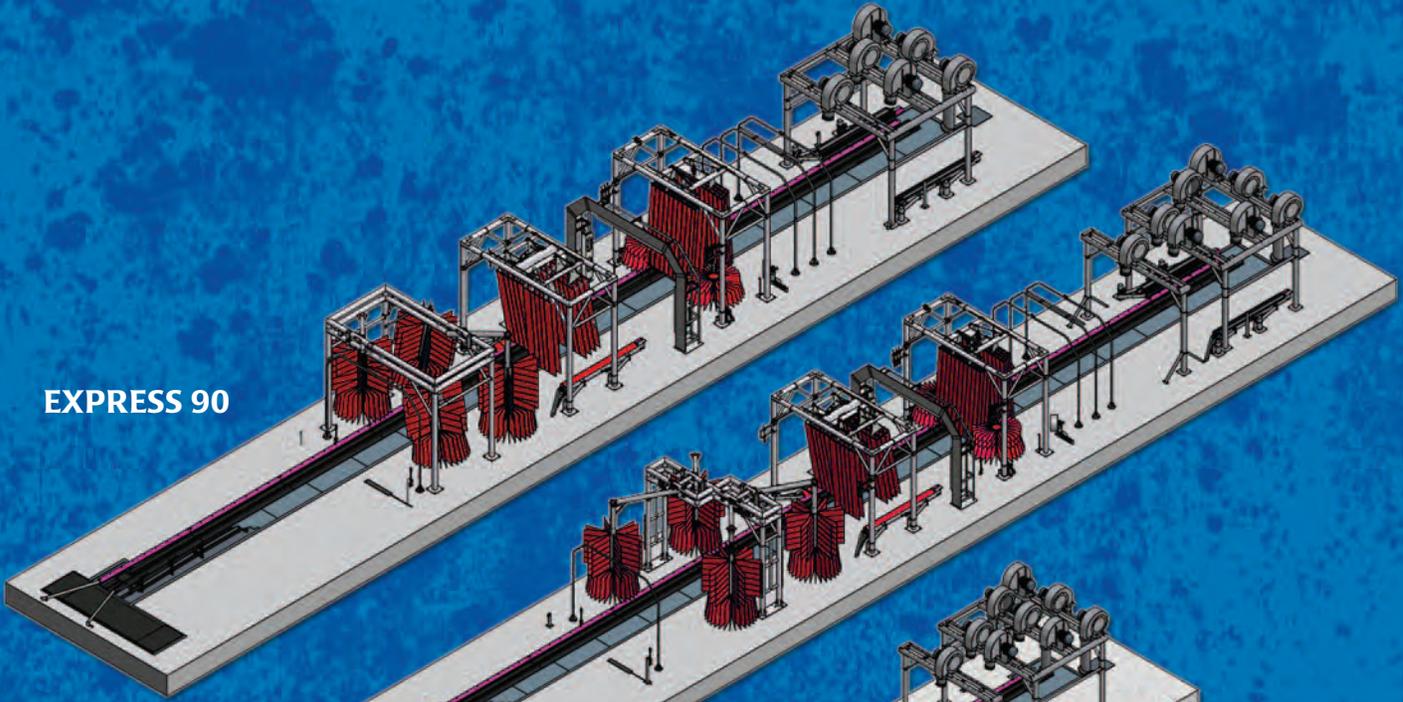
**H**anna's Ultra Express is the best choice for operators who want the look of impeccably clean, hand-finished vehicles without the labor. Through years of experience and extensive testing, Hanna has designed the most effective system for getting vehicles exceptionally clean. The secret is the right combination of chemicals, high-pressure equipment, and brushes – a 3-step configuration that optimizes cleaning performance.

- No prepping
- Cleaned to a shine
- Better than hand drying

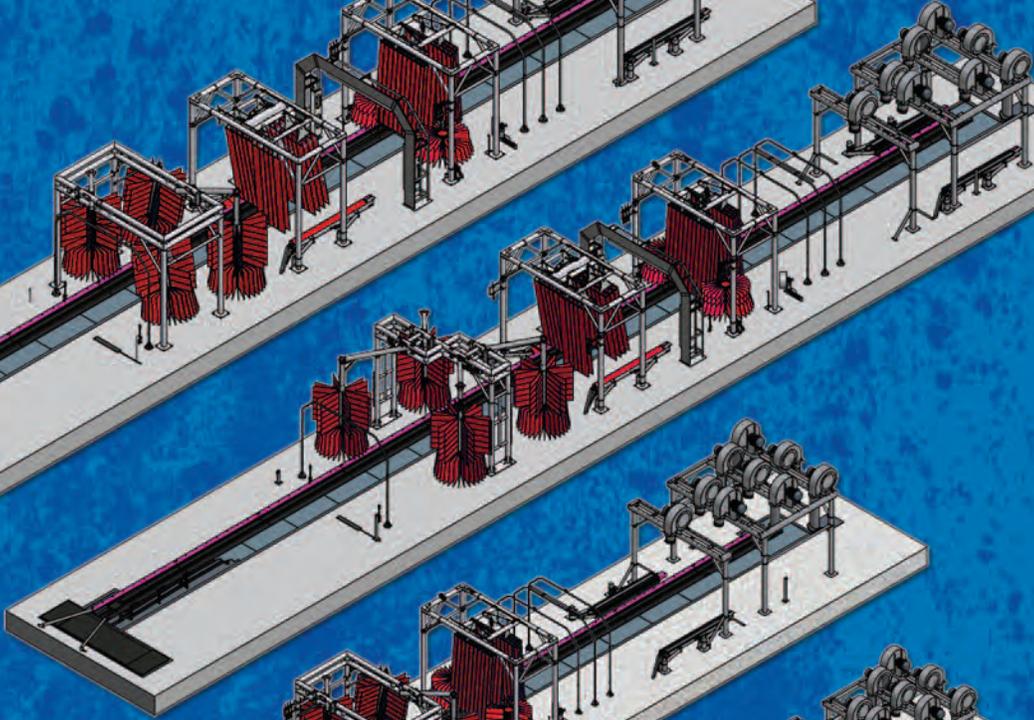


Hanna's UltraExpress conveyor system utilizes a combination of high-pressure water applicators, soft cloth and foam brushes for the perfect balance of gentle yet effective cleaning. The UltraExpress System is configured to minimize vehicle incident while providing motorists with an open and inviting view through the car wash. The UltraExpress System addresses hard to clean areas such as wheels, bumpers and window edges. Hanna's UltraExpress System utilizes five decades of car wash innovation to maximize cleaning and minimize labor.

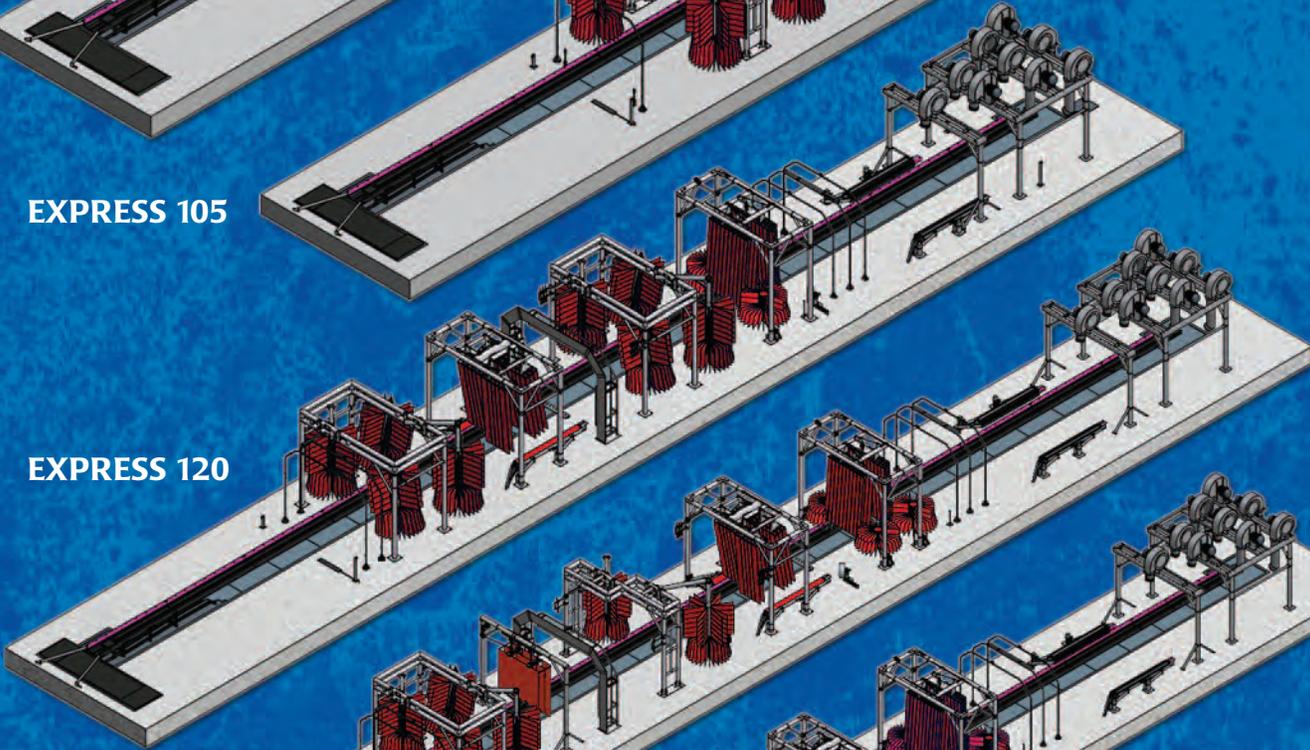
**EXPRESS 90**



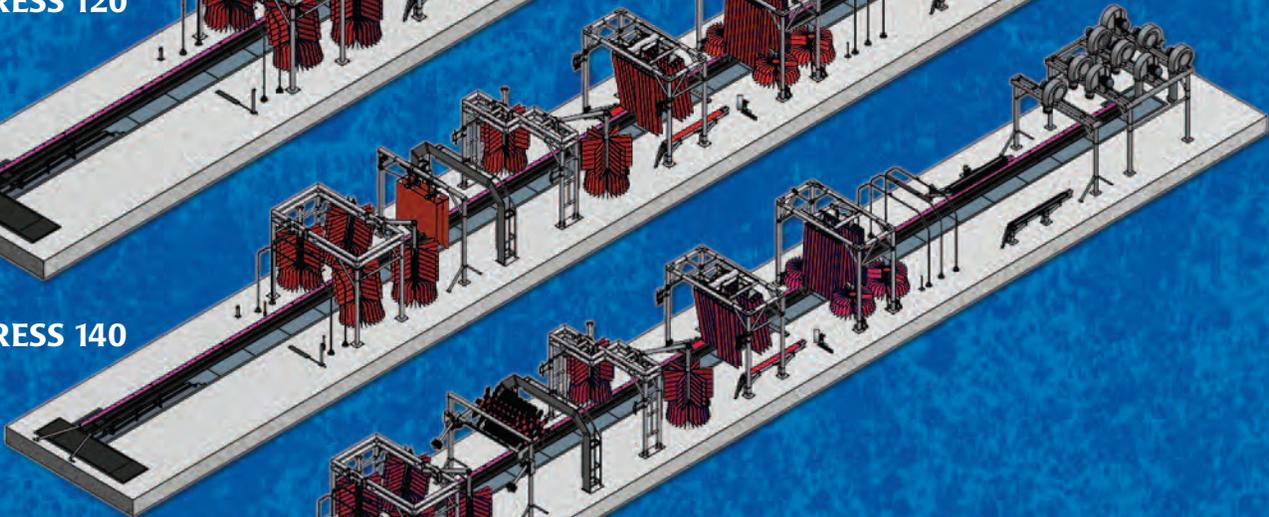
**EXPRESS 105**



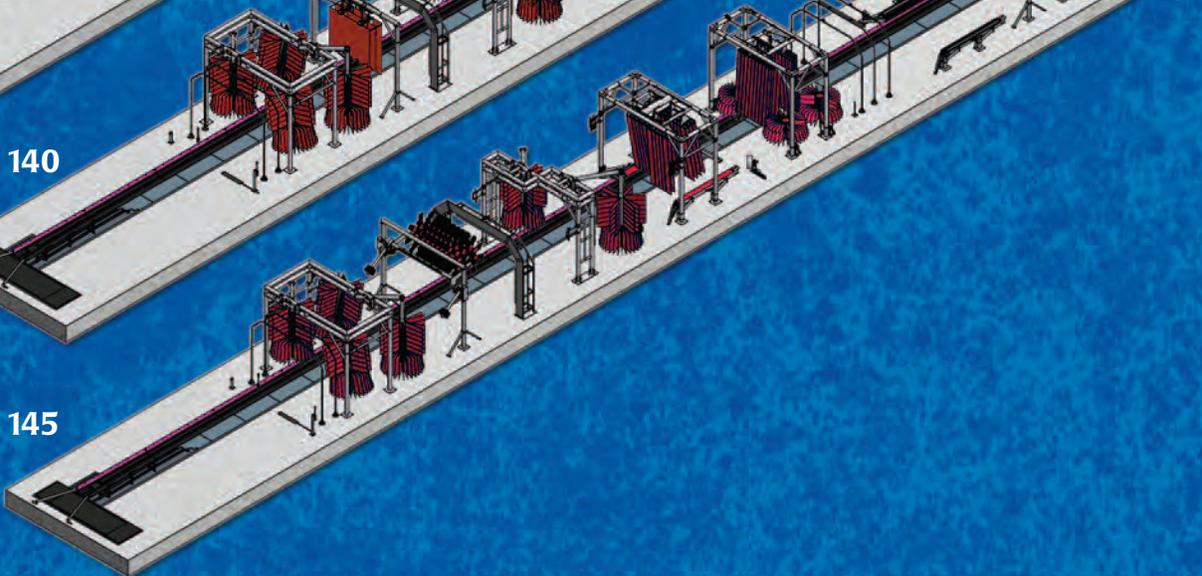
**EXPRESS 120**



**EXPRESS 140**



**EXPRESS 145**



**Express Exterior Systems**

# Hybrid Systems

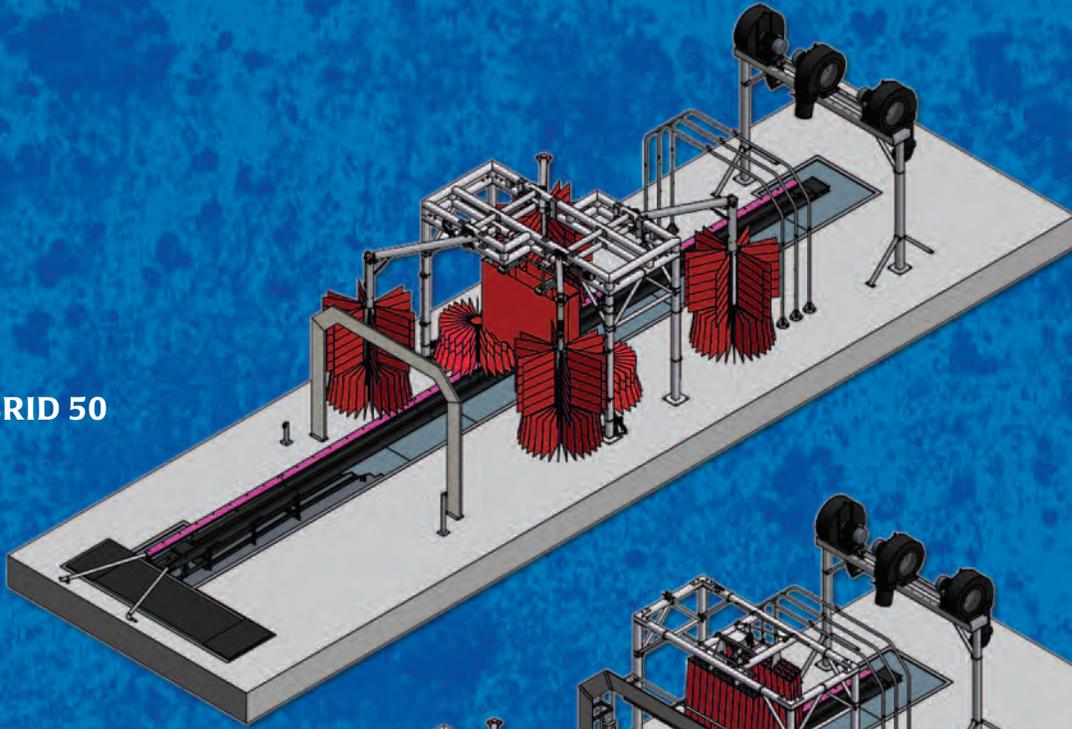


## Hybrid

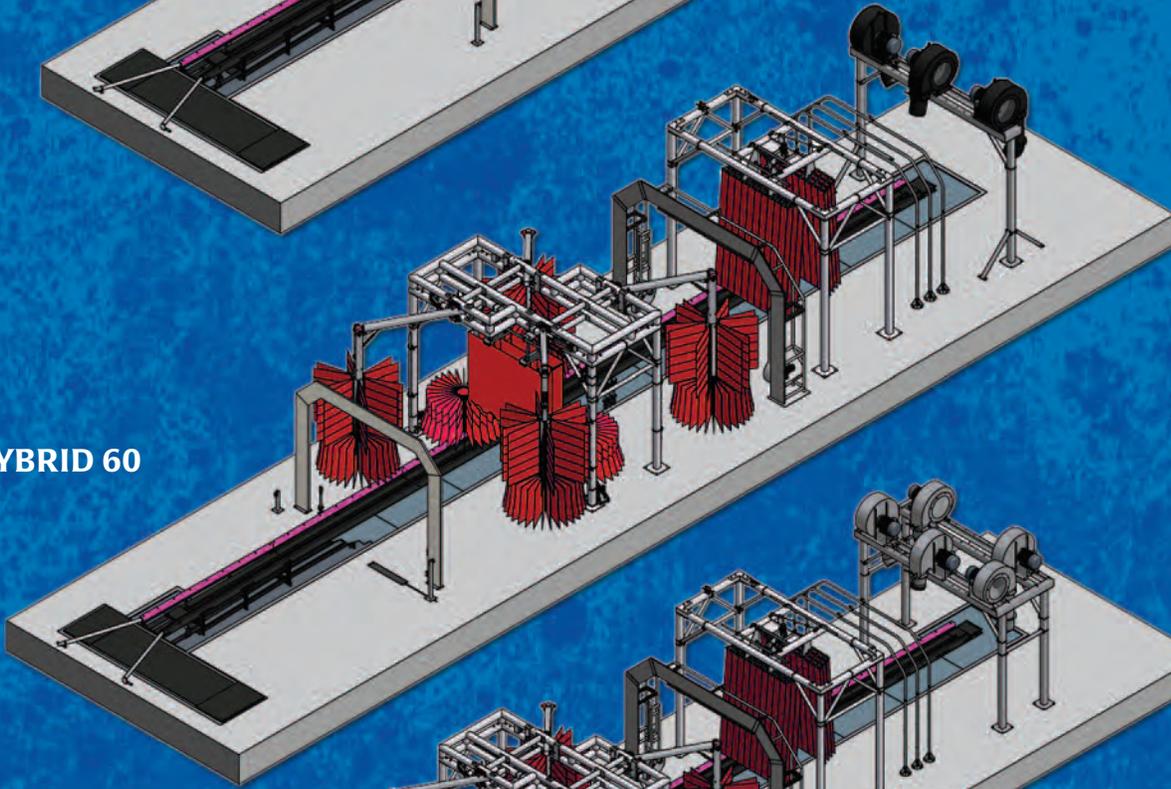
The space-saving Hybrid Systems re designed around the versatile and cost-effective Stack-N-Scrub frame system (SNS). this unique frame system can integrate a variety of wash components to allow for higher volume washing in any Express System. Two sets of flex wraps, a mitter curtain and a set of rocker panel brushes fit a conveyor space as short as 24 feet.



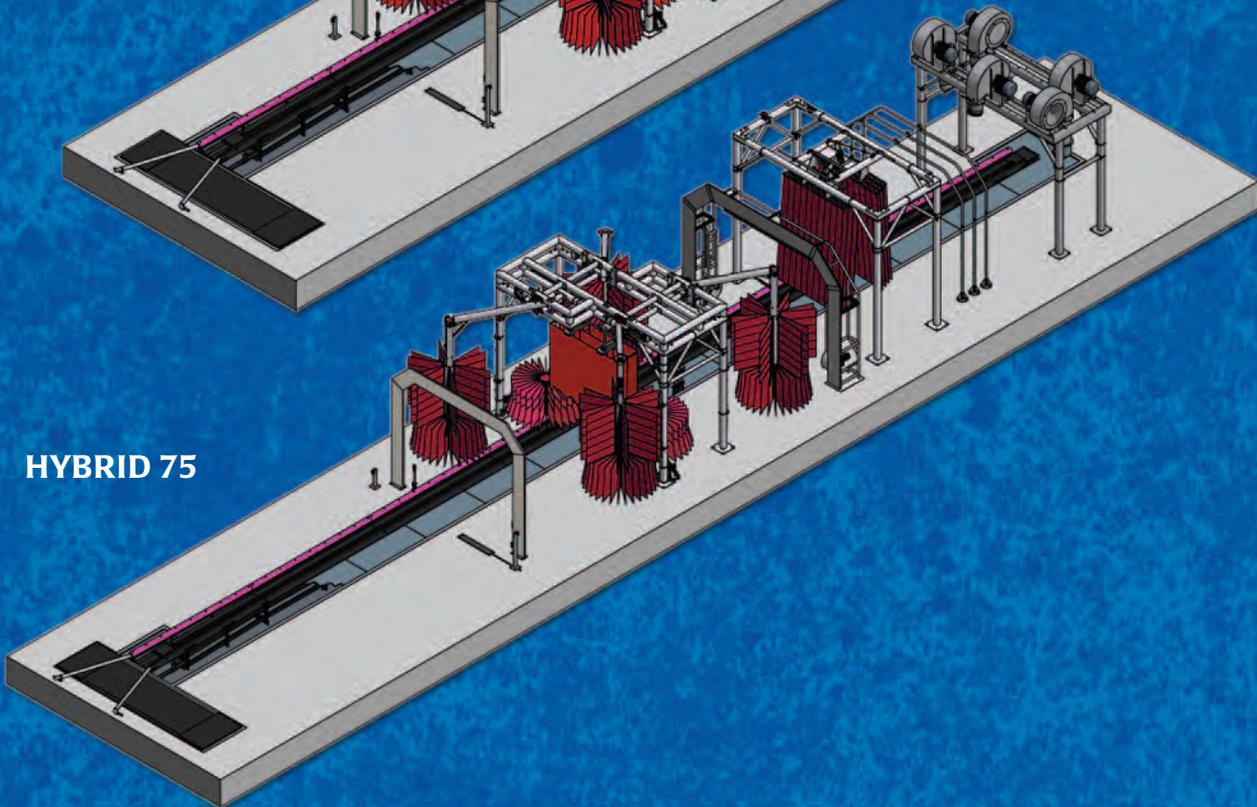
**HYBRID 50**



**HYBRID 60**



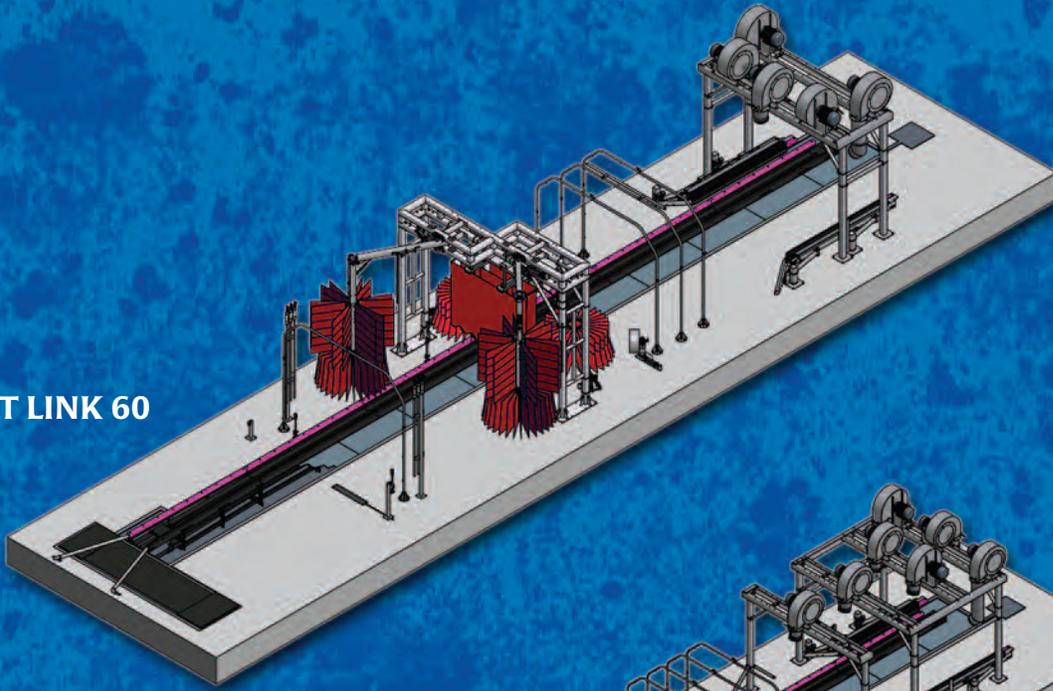
**HYBRID 75**



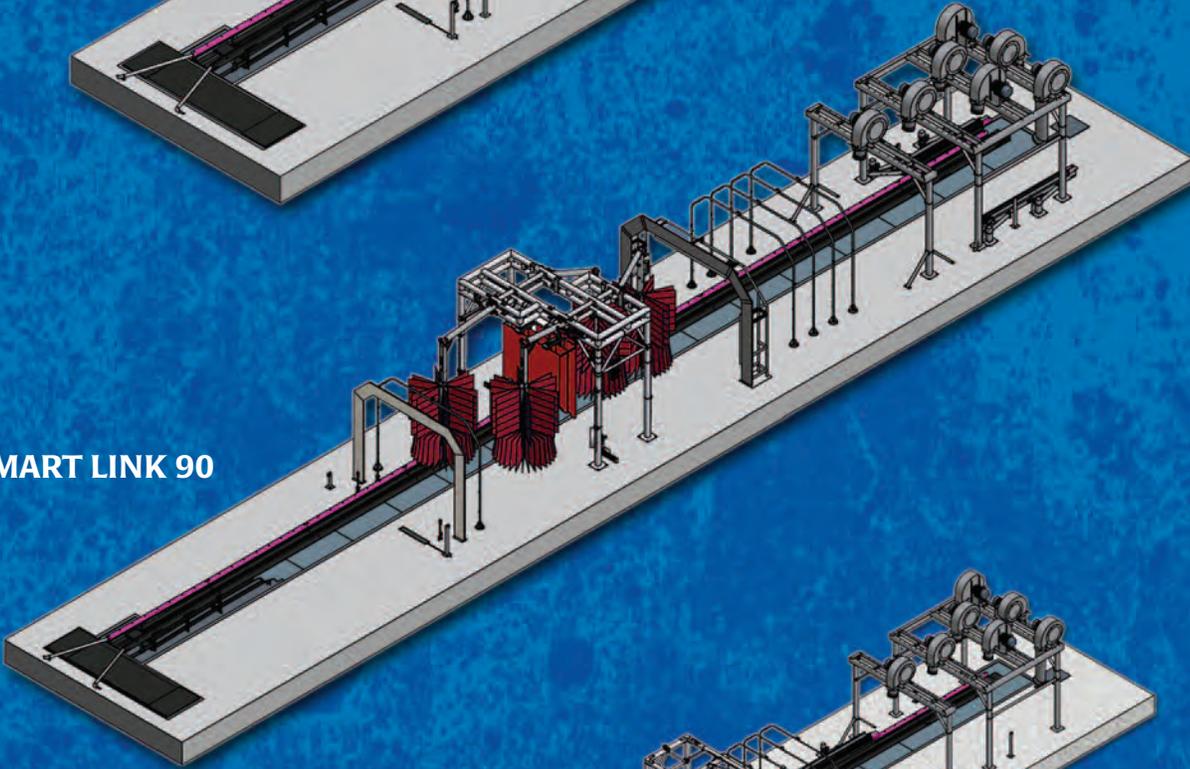
Hybrid Systems



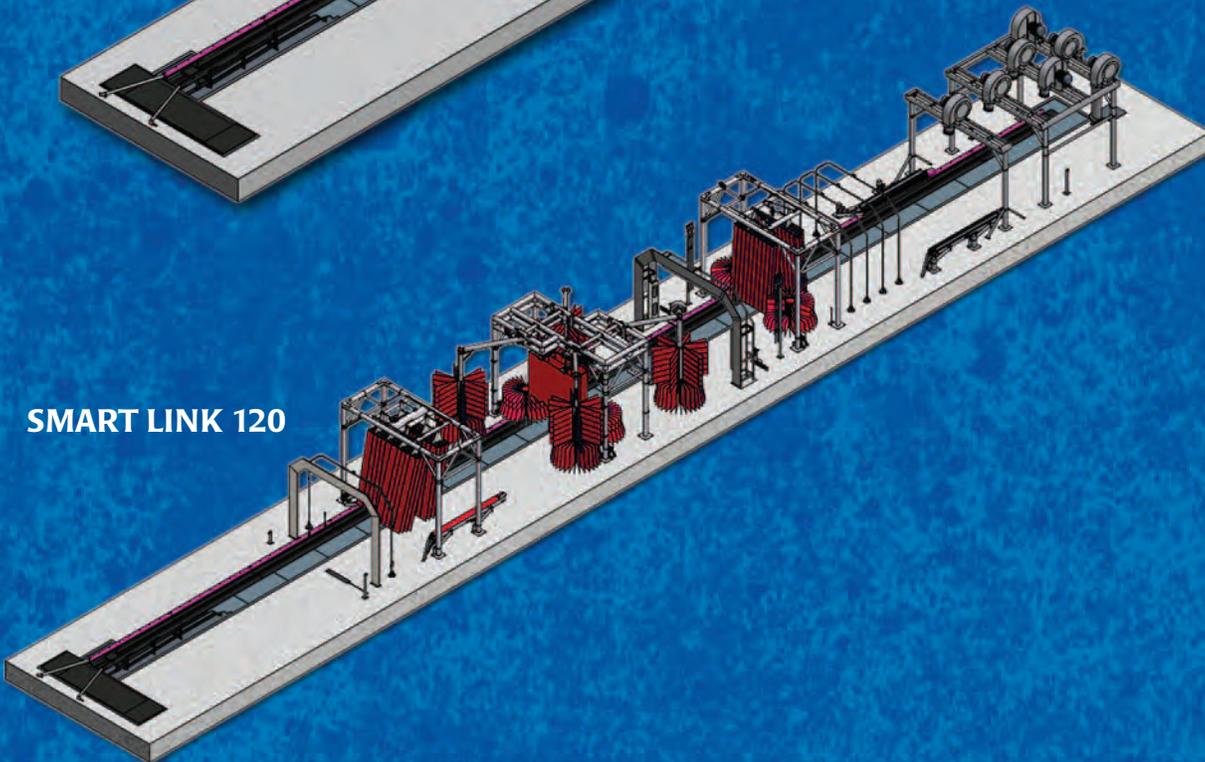
**SMART LINK 60**



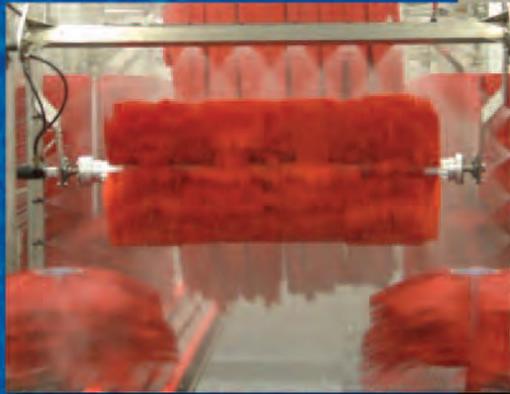
**SMART LINK 90**



**SMART LINK 120**



Smart Link Express



## Compact Systems

Hanna's compact systems pack all the power and efficiency of a conveyor system into a smaller package. After years of research, Hanna has developed the perfect balance of innovative wash material, equipment and chemical application to bring compact systems into the 21st century.

Hanna's advanced washing technology allows for more effective drying with less drip space.

## Global

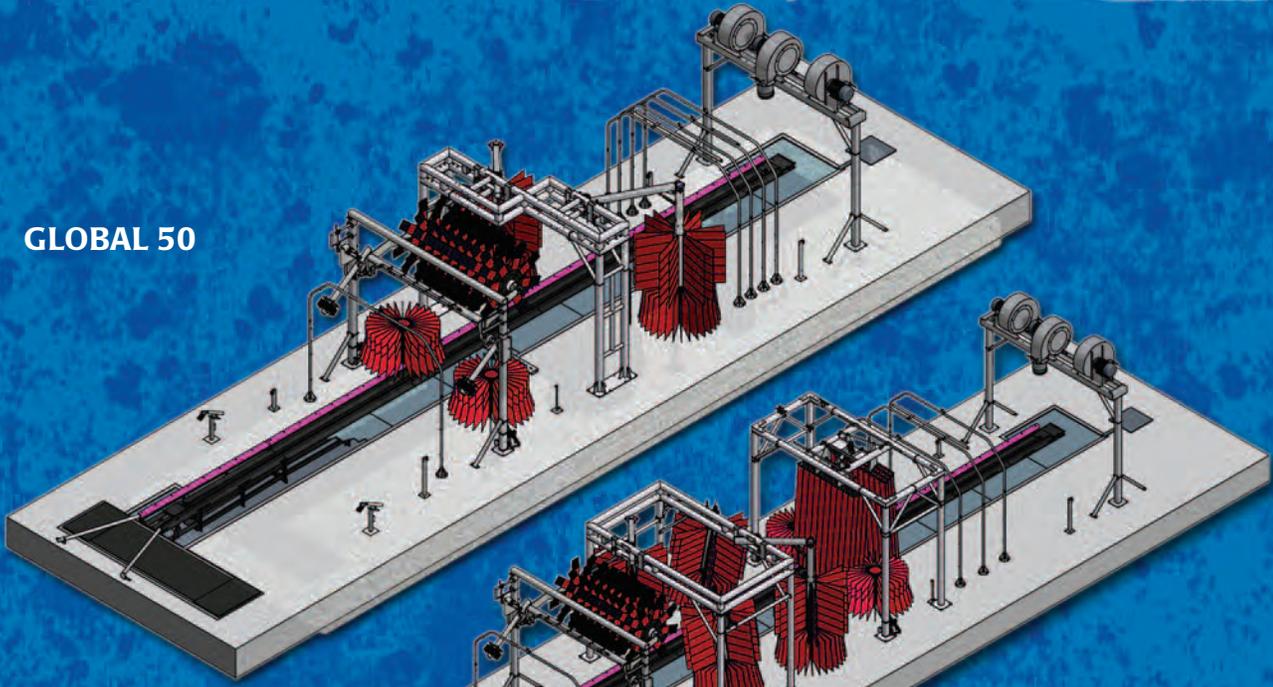
Hanna's Global Mini-Tunnel can fit in most standard rollover bays and can wash 35 to 60 cars per hour. Utilizing the most productive combination of Hanna brush components, the Global Systems is able to thoroughly wash the top horizontal and vertical surface of the vehicle. A common complaint from in-bay operators is that they just don't wash cars fast enough and long lines

encourage drive-offs and missed opportunities. Hanna's mini-tunnel is twice as fast as most in-bay automatics, which means it can double your wash volume while reducing drive-offs- turning your rollover bay into a true profit center.

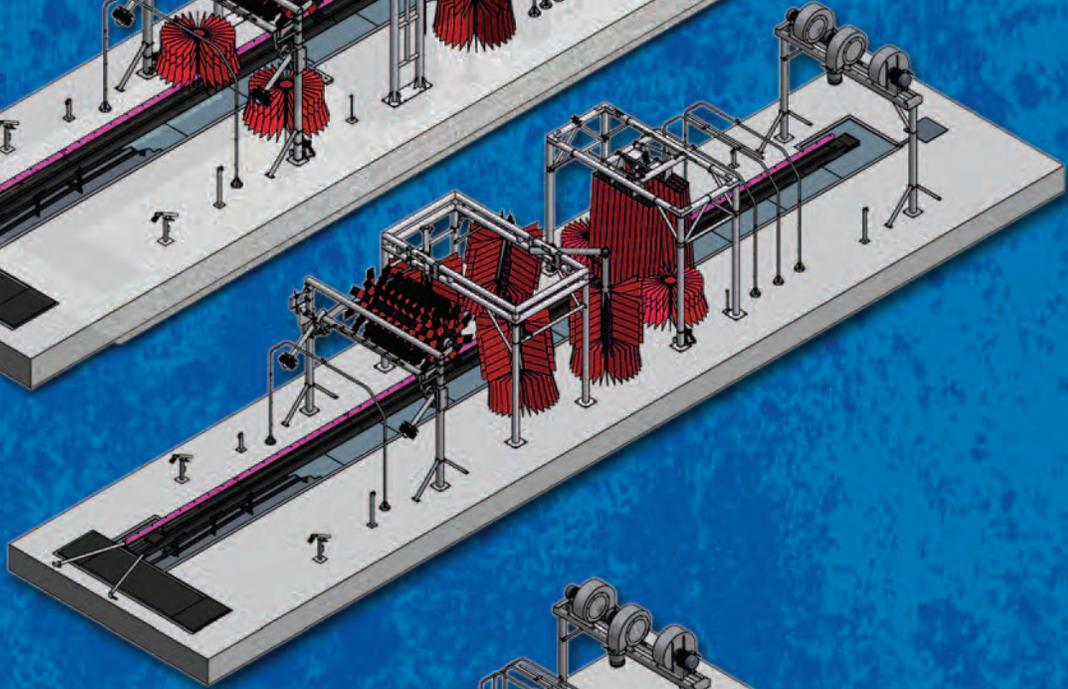
## Metrowash

Hanna's Metrowash packs the power and efficiency of a conveyor system into a smaller package. The Metrowash can process up to 85 cars per hour and fit in a building as short as 40 feet (12.2 meters) long. It is configured for quick and easy installation and low maintenance costs. The Metrowash features mitter curtain washers to minimize the potential for vehicle incident. The Metrowash is the easiest investment decision you'll make. Plus, operators appreciate how simple the system is to operate.

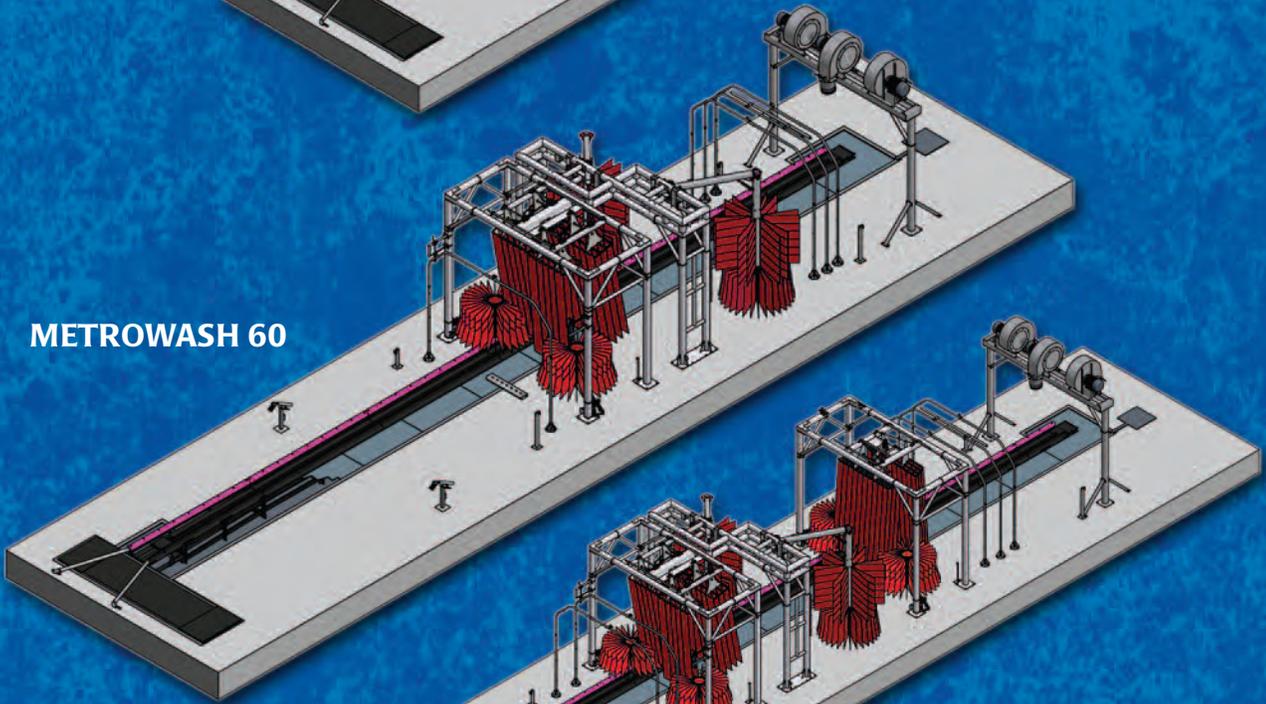
**GLOBAL 50**



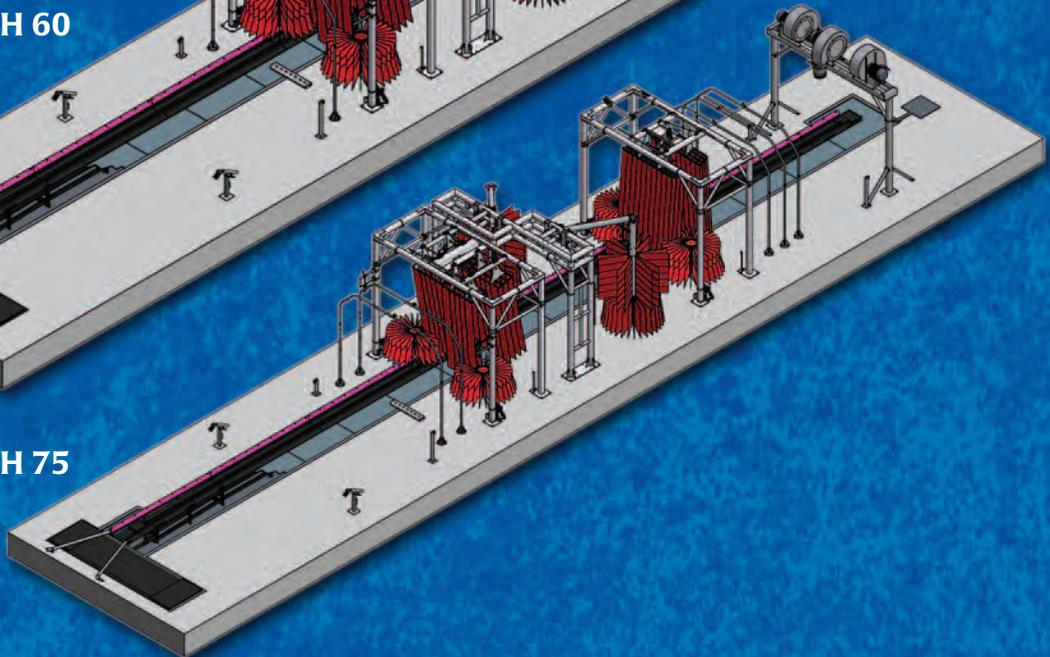
**GLOBAL 65**



**METROWASH 60**



**METROWASH 75**



Compact Systems

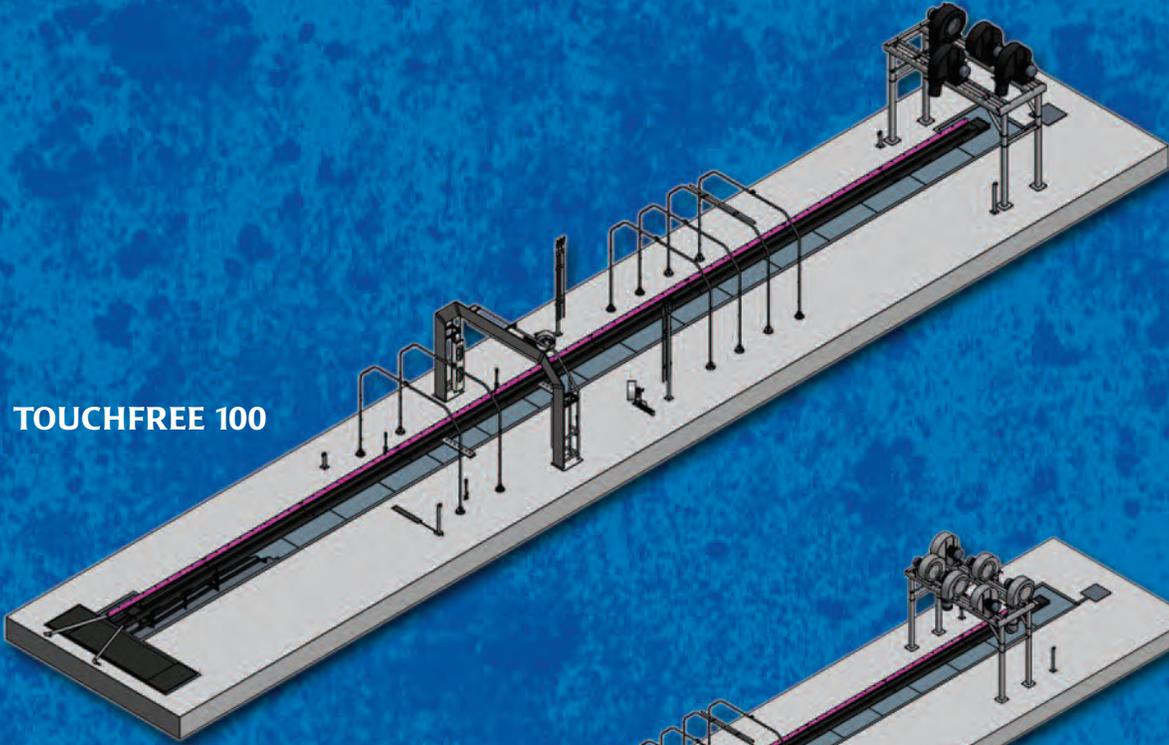
# Brushless Systems



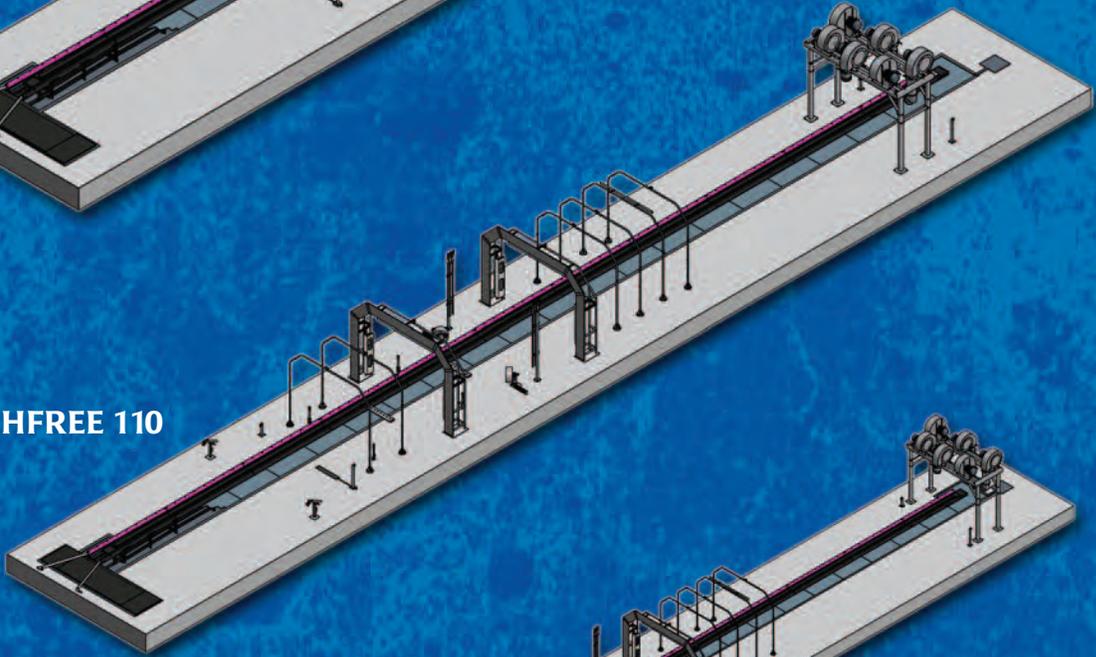
## Brushless Systems

Hanna pioneered the high-volume car wash industry and has continued breaking new ground with innovations such as Hanna's Hand Wash and Touch Free systems. No other company has a high-pressure system that covers 100 percent of vertical and horizontal vehicle surfaces. Hanna's brushless wash systems' arches (Wax, Final Rinse and Clearcoat) apply the correct amount of solutions, eliminating waste while providing a remarkable shiny finish to the vehicle.

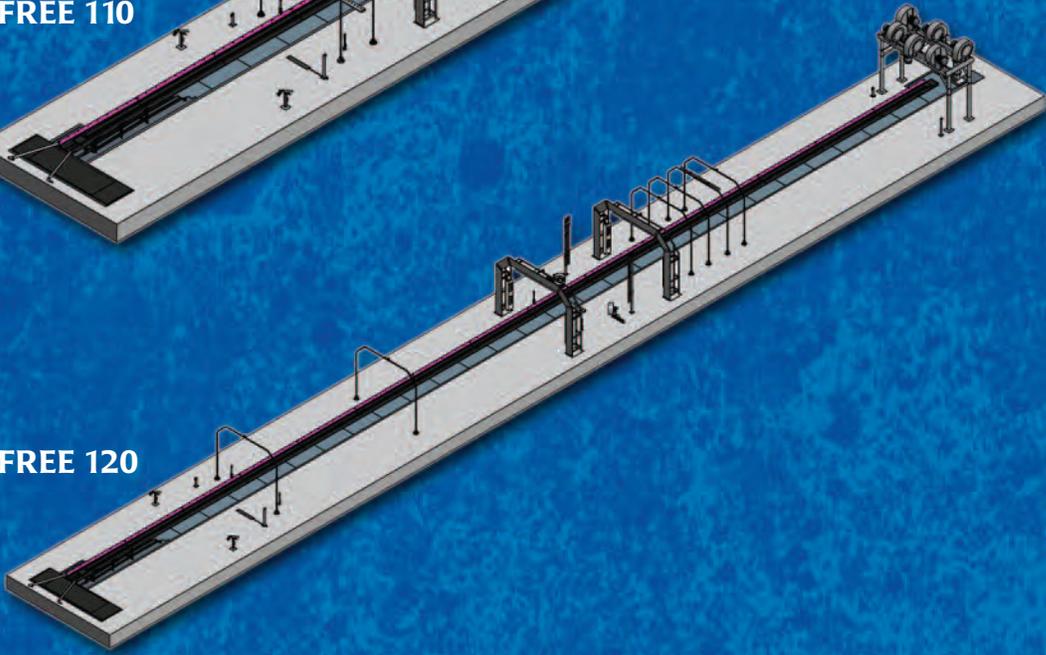
**TOUCHFREE 100**



**TOUCHFREE 110**



**TOUCHFREE 120**



# Brushless Systems

## Central Vacuum System

Hanna's Central Vacuum System is ideal for the Express and Full Service car wash markets. Its heavy-duty multi-stage design provides the powerful suction that is required to speed up the interior cleaning process thus providing the operator and customer a service that requires a minimal amount of time. The vacuum system with collector comes in several sizes thereby providing the operator the flexibility to utilize even the most difficult spaces cost-efficient.

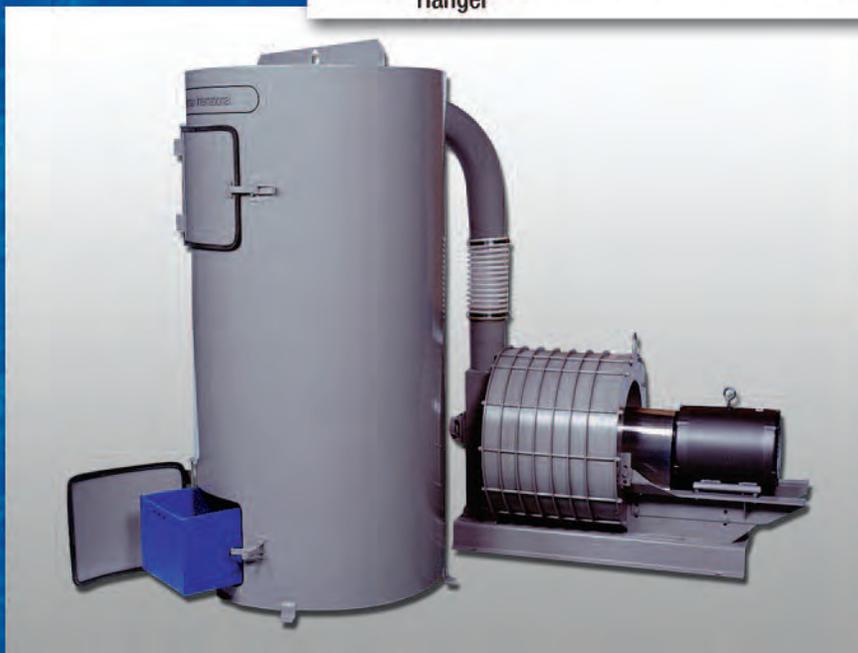
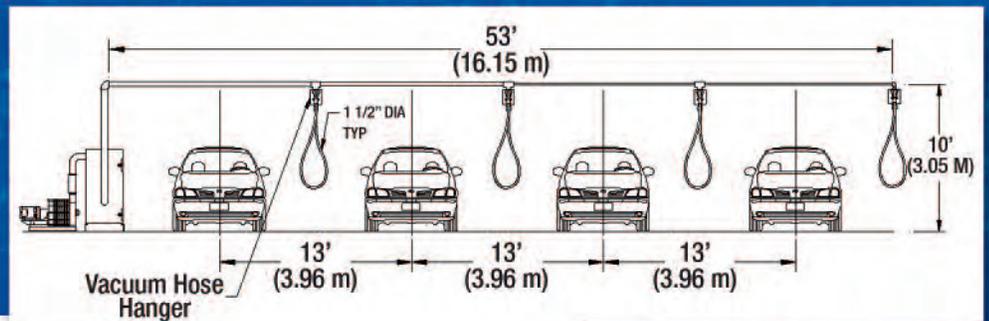
Hanna Central Vacuums are available in:

**20HP up to 8 drops**

**15HP up to 6 drops**

**10HP up to 4 drops**

Hanna's optional manifolds can be customized to fit your site requirements. Features includes easy access filter bags and dust container drawer. An enamel coated-finish provides durable corrosion resistance, thus providing a professional and long lasting appearance for many years.



*Hanna's Central (Full-Service) Vacuum is the model of choice for the car wash industry. It is heavy-duty, powerful and capable of strong suction at each of the hose drops. The powerful suction speeds up interior cleaning, enabling an employee to clean front and rear floors, ashtrays and crevices in minimal time.*

## RCV Conveyor

Hanna's 6 Wheel Pushers™, Roller on Demand™ and Hannatron™ Guiderails are all Hanna innovations that are widely accepted throughout the industry.

Hanna's RCV (Over and Under) Conveyor is designed to gently move vehicles in multiple succession throughout the carwash tunnel with 6-wheel Pusher™ assemblies. Tapered guide rails and roller bar assemblies, ensure a safe and easy entrance onto the conveyor.

Hannatron high density polymer is attached to the conveyor guiderails to avoid scratching wheels and insure smooth travel. Hanna's Roller On Demand™ allows vehicles entering the carwash to stop, without interrupting the washing of vehicles in process. No wonder it is the industry's best selling conveyor.



## Correlator

Correlator provides trouble-free alignment of vehicles as they enter the conveyor system. It allows for 12" (30.48 cm) of lateral movement for the vehicles' front and rear wheels – ensuring proper alignment upon the conveyor. The Hanna Correlator is designed for years of reliable performance utilizing solid steel construction, 18 cast iron support wheels and a spring-loaded top deck. It is designed for safety as well as function.



- Depth options – 3' (.91 m), 4' (1.22 m)
- Painted heavy gauge steel construction
- Diamond plate, spring-loaded top deck
- 18 or 24 cast iron support wheels

## Rinse Curtain Arch

Rinse Curtain Arch™ was designed for car wash operators interested in a practical approach to applying rinse, wax or spot-free water. The Rinse Curtain Arch uses gravity to produce a shower of water that provides little to no misting. It is an excellent choice for short drip spaces or car washes with multiple dryer fans.

- Stainless steel box tube construction
- 1-3 rows of precision cut holes
- Solenoid valve included
- Available as single manifold



## Versa Arch (Stainless Steel)

The Versa Arch is an economical arch constructed of 1 1/2" tubular stainless steel that can be fitted with various nozzle kits for chemical applications throughout the car wash. Single chemical application.

- 1 1/2" Stainless Steel
- Vehicle Clearance-96" (243.8 cm)
- Width - 124" (315 cm)
- Available in:
  - Pre Rinse/Final Rinse
  - Cool Down
  - Clear Coat
  - Drying Aid
  - Spot-Free Rinse
  - Flood Rinse



## Image Arch

Hanna's Image Arch combines an attractive appearance with a functional approach to applying chemical solutions to a vehicle. The arch's stainless steel construction and bright finish compliments any car wash both full service or express exterior. The Image arch is often used as a marketing tool. You can add standard or even custom colored graphics to the Arch to add visibility of special products and to help up-selling the consumers.



### **Construction:**

- Stainless Steel formed and welded Arch
- Flush Mounted Plastic Nozzles with check valves

### **Standard Dimensions:**

- Vehicle Clearance: 96" of clearance (248.3cm)
- Width: 113" (287.02cm)

### **Available Chemical Applications:**

- Rinse
- Soap Foamer
- Spot Free
- Clear Coat
- Rinse & Soap Foamer
- Final Rinse & Drying Aid
- Clear Coat & Drying Aid

## Graphic Arch (Stainless Steel)

The Graphic Arch is a decorative stainless steel arch that allows the operator the flexibility to select graphics (basic or custom) to aid in the sales of extra services and products. Optional nozzle kits are available for a variety of chemical applications.

- Decorative Stainless Steel
- 1 1/2" Stainless Steel
- Vehicle Clearance: 96" (243.8 cm)
- Width: 124" (315 cm)
- Available in:
  - Pre Rinse/Final Rinse
  - Cool Down
  - Clear Coat
  - Drying Aid
  - Spot-Free Rinse
  - Flood Rinse



Custom Graphics

Brand-Specific Graphics

Arches

## HSS-2 Mitter

Hanna's HSS-2 Mitter is a four-basket mitter developed to give superior cleaning of the horizontal surfaces of a vehicle. The forward and backward motion gently cleans the vehicle as the soft cloth conforms to the vehicle's shape without incident to roof racks, lights and antennas. Hanna's HSS-2 Mitter also enhances the cleaning performance on the front and rear of vehicles as they transition through the wash.

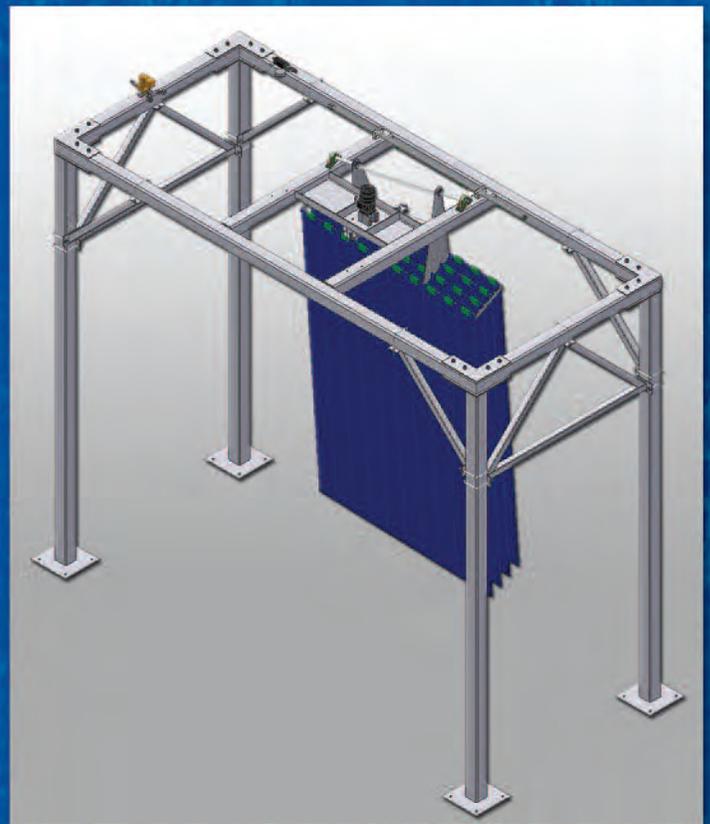
- 4 curtain racks, 80 soft cloth curtains
- Dimensions –
  - Length 7' (2.13 m)
  - Height 10'6" (3.21 m)
  - Width 12'2" (3.71 m)
- Includes spray manifold & jets



## DTM Mitter

Hanna's Diagonal Touch Mitter is designed for short systems and small spaces, although it can easily be added to any existing system. Compared to most other small-space mitters, Hanna's Digital Touch Mitter has more action and delivers superior cleaning results. It is constructed of stainless steel and includes one HFTM curtain rack with 40 soft cloth curtains.

- Stainless Steel
- Length 5' (1.52 m)
- Height 10'6" (3.20 m)
- Vehicle Clearance 90" (228.60 cm)
- Optional 96" (243.80 cm)
- Optional 102" (259.10 cm)
- 1 Rack
- 80 Soft Cloth Curtains Hydraulic Drive
- Optional Electric Drive





## HFTM Mitter

Hanna's HFTM Mitter features two stainless steel curtain racks with 80 curtains moving diagonally opposite creating a figure-eight curtain motion. The design safely handles roof racks and antennas. The mitter was recently redesigned for more durability and with lighter-weight baskets. Spray jets located above curtains help reduce moss and algae buildup.

- 2 curtain racks, 80 soft cloth curtains
- Dimensions –
  - Length 7' (2.13 m)
  - Height 10'6" (3.21 m)
  - Width 12'2" (3.71 m)
- Includes spray manifold & jets



## S-20 Mitter

The S-20 Mitter Curtain is designed to use side-to-side motion to effectively clean the hood, windshield and roof of the vehicle without incident to roof racks, roof lights and antennas, while still forming to the shape of the vehicle. The unique design allows for maximum cleaning while taking up very little tunnel space. In fact, the S-20 requires only 4 ft. of tunnel space. It is an excellent choice for operator with any conveyor length. It can also be easily retrofitted into existing tunnels for added cleaning ability in the car wash system.

- Stainless steel frame
- New woven textile
- Hydraulic drive
- Vehicle clearance - 96" (244 cm)
- Speed - 35 RPM
- Hydraulic - 3.0 GPM@500 PSI

## Hubcap Rocker Panel Brush

Hanna's Hubcap Rocker Panel Brush gives special cleaning attention to rocker panels, hubcaps and deep-rimmed wheels. The design of the brush ensures that the rocker panel area is clean, regardless of size or shape. The lower portion of the brush is wider, achieving better penetration of hard-to-clean areas.

- Cloth brush material
- Hydraulic drive standard
- Brush height options –
  - 21" (.53 m), 28" (.71 m), 35" (.89 m)
- Brush diameter –
  - Top 50" (1.27 m)
  - Bottom 58" (1.47 m)
- 10" (.25 m) core diameter



## Rotary Top Brush

Hanna's Rotary Top Brush is designed for thorough cleaning of the hood, roof and rear areas of a vehicle. The brush is extra wide so it does not have to be retracted for pick-up beds, and it utilizes a low pivot point that allows for longer contact with the vehicle.

- Dimensions
  - Length: 9' (2.74 m)
  - Width: 12'2" (3.71 m)
  - Height: 10'6" (3.20 m)
- 16 shammy discs 60" (1.52 m)
- Includes retract kit and water manifold

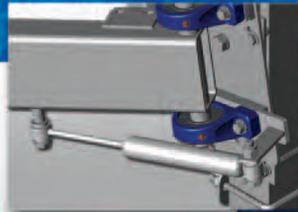
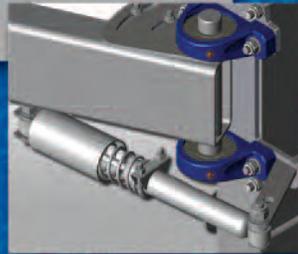




## Side & Window Washer

Hanna's side & Window Washer is one of the most popular brushes in the industry. It provides superb cleaning coverage of the upper side, side and rocker panel areas of a vehicle. It has more cloth packs to improve side cleaning of pickups and vans. It also has a contoured brush pattern to match the shape of most vehicles. The brush uses a shock and spring assembly to keep constant pressure against the vehicle.

- Brush available in cloth or foam
- Dimensions –
  - Width 12'2" (3.71 m)
  - Brush Height 70" (1.78 m)
  - Overall Height 10'6" (3.20 m)
  - Space Required 5'5" (1.65 m)
- Core diameter – 8" (.20 m) and 10" (.25 m)



## Angled Side & Window Brush

Hanna's Angled Side & Window Brush is similar to the Side Window Washer, only angled toward the vehicle to follow the contour of its surface. It uses a combination of gravity and a special dampening shock to provide proper brush penetration and safely clean hard to reach areas like the top of the vehicle's side windows.

- Brush available in cloth or foam
- Dimensions -
  - Width -12'2" (3.71 m)
  - Brush Height 70" (1.78 m)
  - Overall Height 10'6" (3.21 m)
  - Space Required 7' (2.13 m)



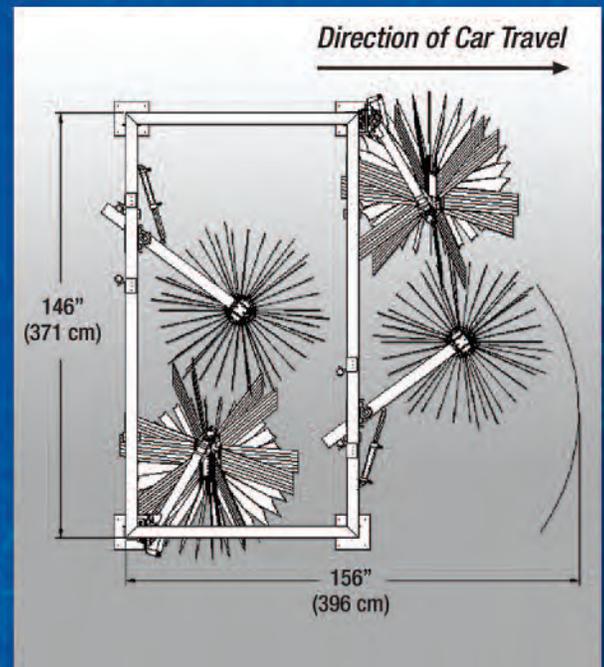
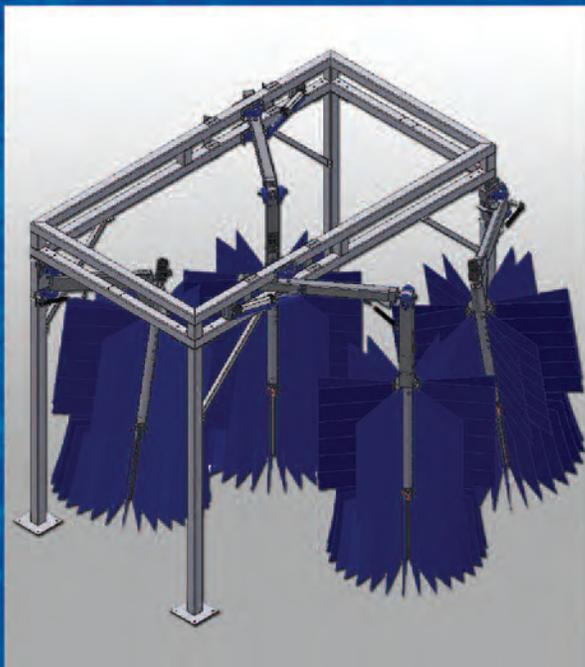


- Stainless Steel or Aluminum frame, gussets and posts
- Stainless steel arm and shaft assembly
- Hydraulic drive
- Non-woven textile
- Lite-Foam or Neo Glide (opt)
- Operating Space 13" (396 cm)
- 112" Standard vehicle clearance
- Width: 12'2" (371 cm)
- Length: 12" (396)
- Counter rotating brushes
- High pivot for smooth brush travel

## 4-Pack Flex Wrap

Hanna's 4-Pack Flex Wrap combines a set of flex wrap brushes and angled side brushes in a space slightly larger than a flex wrap brush alone. This unique configuration packs four counter rotating 70" washers within 13' of conveyor space. The Flex Wrap brushes and Angled Side brushes actually rotate in opposite directions. The Hanna 4-Pack Flex Wrap has a

high pivot point that allows the brush to move smoothly around the outer edges of the vehicle. This increases cleaning action on the front and rear of all vehicles. Enhanced controls offer separate retract and extend pressures for each arm as well as float pressure for the mirror area. The Angled Side Brushes contour to the shape of all vehicles and is taller than most side brushes. This allows better cleaning of the top side window area of sport utility vehicles and mini vans.



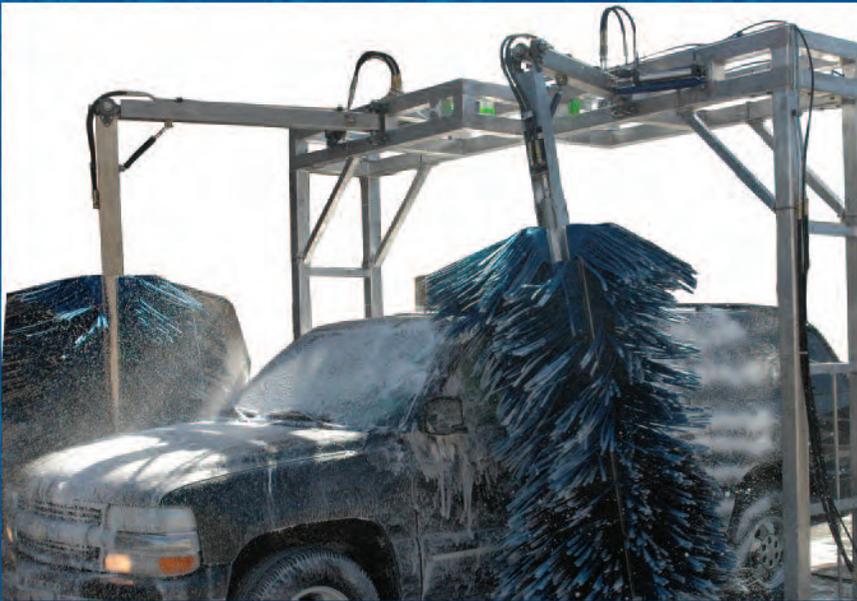


## Dual Pack Flex Wrap

Hanna's Dual Pack Flex Wrap combines two sets of opposed flex wrap mounted on a single frame. The compact design allows maximum cleaning of the vehicles vertical surfaces utilizing the least amount

of conveyor space. Each wrap has a high pivot point that allows the brush to move smoothly around the outer edges of even the largest vehicle. Enhanced controls offer separate arm retract and extend pressure as well as float pressure for the mirror area.

- Stainless Steel or Aluminum Frame
- Stainless steel brush arm and shaft assembly
- Hydraulic drive
- Operating Space 21" (640 cm)
- Standard clearance 112"
- Width 12'10" (391 cm)
- Length 11' (280 cm)
- Height 10'6" (320 cm)



## Focus Flex Wrap

Hanna's Focus Flex Wrap uses one set of opposed flex wrap mounted on a single frame. The compact design allows maximum cleaning of the vehicles vertical surfaces utilizing the least amount of con-

veyor space. Each wrap has a high pivot point that allows the brush to move smoothly around the outer edges of even the largest vehicle. Hanna's exclusive cloth cut safely allows for a faster brush rotation and cleaning action. Enhanced controls offer separate arm retract and extend pressures as well as float.

- Stainless steel or Aluminum
- Stainless steel brush arm & shaft Assembly
- Hydraulic drive
- Operating Space 21' (640 cm)
- Optional Clearance 112"
- Width: 12'10" (391 cm)
- Length: 11 (280 cm)
- Height: 10'6" (320 cm)

## Hanna Combo Water Wizard Arch

Hanna's Combo Water Wizard Arch provides high pressure wheel washing as well as total vehicle coverage. The combo unit utilizes Hanna's exclusive spray head with multiple zero degree nozzles to deliver a concentrated blast of water. The Wheel Washer creates maximum impingement and maximizes dwell time through the use of a rotating manifold that pivots to follow the front and rear tires. The top manifold oscillates left and right and the side manifold up and down scrubbing the complete vehicle surface. The combo unit is the ideal choice when conveyor space is limited.



## Water Wizard Arch

Hanna's Water Wizard Arch combines Hanna and Jim Coleman Company technology into a powerful yet cost effective high pressure water applicator. The arch utilizes Hanna's exclusive oscillating spray head with multiple zero degree nozzles. High pressure allows penetration into areas brushes cannot reach like wheel wells, body side molding and roof racks. The top manifold oscillates left to right and side manifolds up and down scrubbing the complete vehicle surface. Both top and side manifolds pivot before and after to provide high pressure cleaning to the hard to reach front and rear of vehicles. The arch is available in hydraulic or electric drive.



## High Pressure Pumping Station

Suitable for reclaim water and more rugged than piston and plunger pumps, Hanna's High Pressure Pumping Station utilizes the Wanner H-25 pump. The frame is stainless steel and comes equipped with a 115-gallon (435.32 L) storage tank. The tank includes Hanna's exclusive perforated cross channels, which increase the life of your pump by reducing water turbulence that can allow air bubbles to get in the pump and allow premature wear. For operations that need larger flow rates or multiple components, there is Hanna's Dual Hi-Pressure Pump Station. The dual pump station has the same features and similar rugged design as the single pump station, with two pumps. These two pumps are "stacked" on top of each other to save you valuable floor space. Each pump can be operated individually.

### Dual High Pressure Pump

- 1000 psi (68.95 bar). 15HP 60/50 Hz
- 18 GPM each, 36 GPM (136.28 LMP) combined.

### Single High Pressure Pump

- 1000 psi (68.95 bar). 15HP 60/50 Hz
- 18 GPM (68.14 LPM)



## High Pressure Wheel Washer

Hanna's High Pressure Wheel Washer creates impingement and maximizes dwell time through the use of a rotating manifold that pivots to follow both the front and rear wheels. The Wheel Washer utilizes Hanna exclusive spray head with multiple zero degree nozzles to deliver a concentrated blast of water on to the wheel surface. The free-standing modular design requires little conveyor space and is simple to add to new or existing car washes.

High Pressure Components

## Hanna Stack-N-Scrub

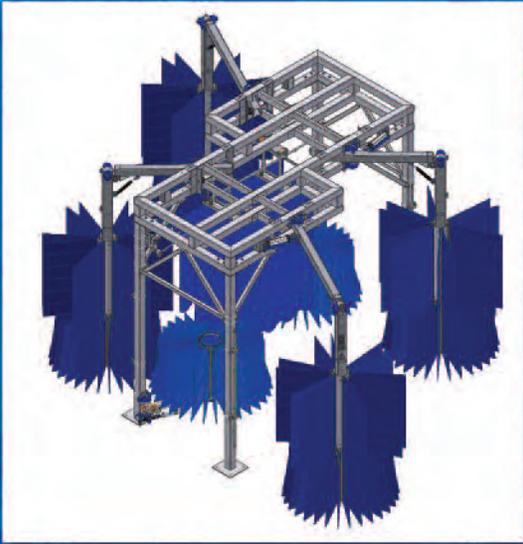
Hanna's Stack-N-Scrub (SNS) Flex Wrap is a free-standing component designed to retrofit automatic bays and help existing operators compete with the fast pace Express conveyor market as well as provide the new investor with a compact washing system suitable for a variety of property sizes.

The SNS features two sets of opposed flex wraps on aluminum or stainless steel frame and provides the operator with a flexible platform from which the operator can stack or combine a wide variety of wash components. The SNS is ideal for conveyors from 50' to over 150' in length and for speeds from 40-180 cars per hour. With the industry's largest distributor network, Hanna provides the local expertise to guide you through the steps from site selection through opening day.

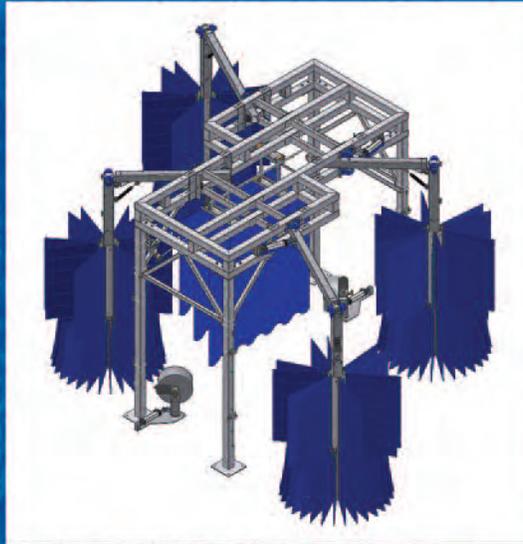


### Design Features

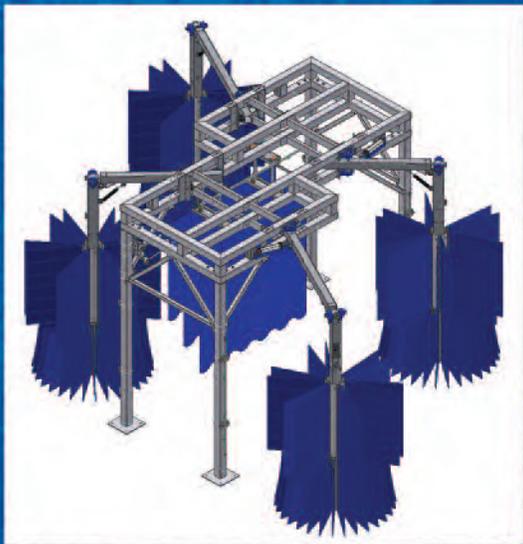
- Construction
- Aluminum or Stainless Steel frame
- Stainless Steel Arms & Shaft Assembly
- Non-woven Textile
- Lite-Foam or Neo Glide (optional)
- Hydraulic Drive
- Standard Dimensions
- Operating Space: 24' (732 cm)
- Standard Vehicle Clearance: 90" (229 cm)
- Optional Vehicle Clearance: 96" (244 cm)
- Width: 15' (457 cm)



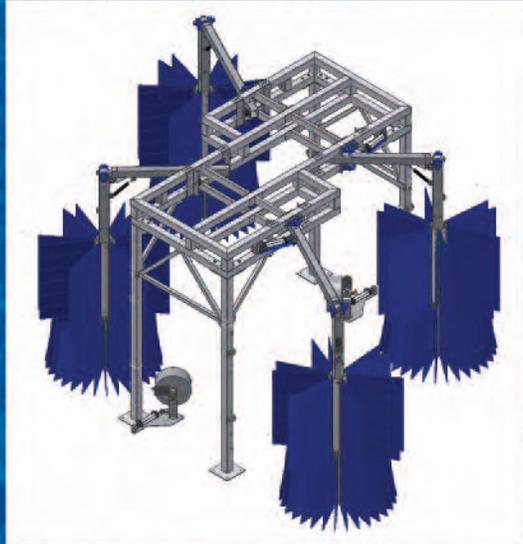
*With S-20 Mitter & Hub Cap Rocker Panel*



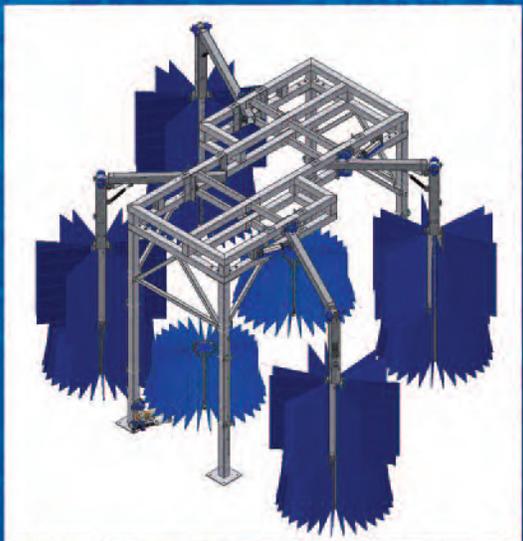
*With S-20 Mitter & High Pressure Wheel Washer*



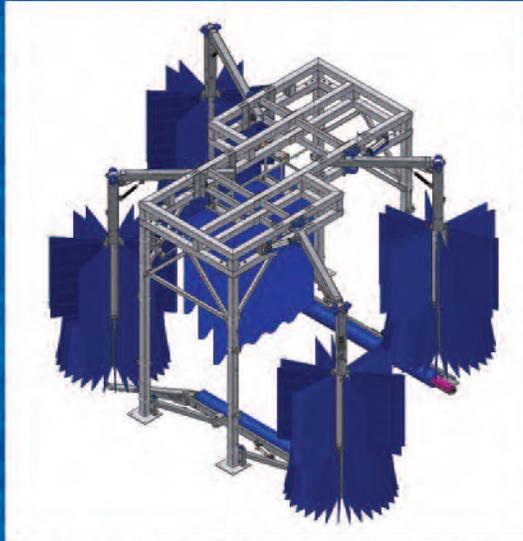
*With S-20 Mitter*



*With High Pressure Wheel Washer*



*With Hub Cap Rocker Panel*



*With S-20 Mitter & Tire Washer*

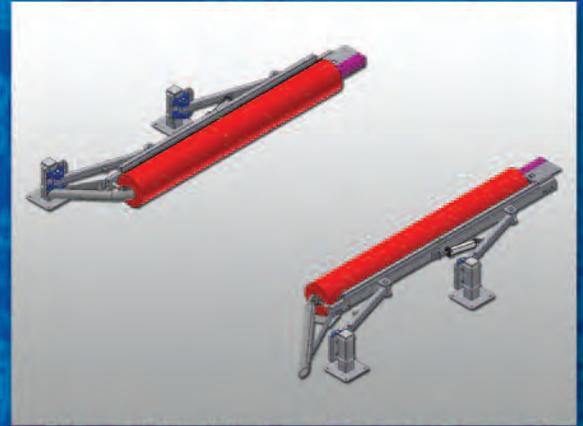
# Stack-N-Scrub

## Tire Washer 96

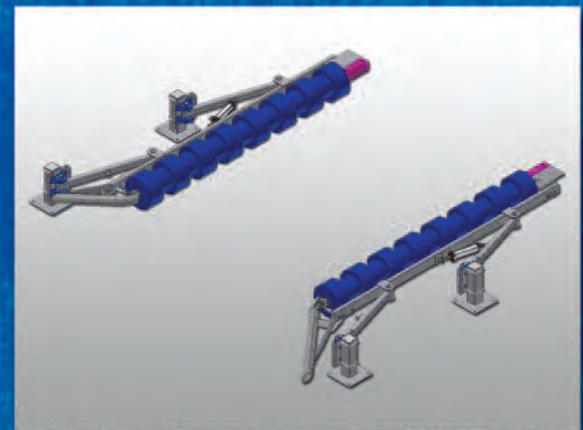
Hanna's Tire Washer 96 (TW-96) effectively cleans tires with its adjustable tension control, adjustable brush height and 96" (2.44 m) long brush. It automatically adjusts to vehicle widths and comes with PVC entrance guides for vehicle safety. Hydraulic drive motors are mounted on the exit end of the brush for quick and easy accessibility. Simplified hose routing allows for easy installation.

- Polypropylene brush
- Dimensions -
  - Operating Space 14'6" (4.42 m)
  - Brush Length 96" (2.44 m)
  - Brush Diameter 8" (.20 m)
  - PVC Entrance Guides Diameter 3" (.08 m)
- Optional retract system
- Optional CTA chemical applicator

**Hanna's Stepped Tire Brush** was created out of the need to safely and automatically clean the outside surface of the tire while cleaning the inside surface of the wheel at the same time. The Stepped Brush is designed using 9" Polypropylene in a dense concentration for washing the tire along with 12" lengths of Polypropylene with feathered tips for washing the inside of the wheel. These sections alternate in 6" increments for the length of the 96" brush. Field conversion kits are also available for existing TW-96 Tire Washers.



*Tire Brush-Cloth*



*Tire Brush-Stepped*



*Tire Brush-Regular*

## Concorde Overhead Drying System



Hanna's Concorde Overhead Concorde Drying System offers the operator a state-of-the-art drying system that is capable of drying vehicles at speeds of up to 200 cars per hour (CPH). Available in stainless steel or co-polymer, these dryers can be configured to fit in a variety of systems ranging from 50' to 200'. Each drying system is controlled by computer functions that turn each dryer on and off independently of each other. In doing so, this provides the operator a means of effectively drying the vehicles as they are transitioning through the car wash as well as controlling the electric cost. Hanna's revolutionary **Blast Gate** feature provides a two prong approach to customer satisfaction and cost savings. Standard with the Blast Gate System, the

overhead nozzle(s) allows the operator to reduce the air flow from the dryer on trucks to help minimize water from blowing out of the truck bed. The Blast Gate also reduces electrical demand on the motor by decreasing electrical cost. Air Dryer standard configurations are available from 1 to 9 motors.

### ***US Specifications***

60Hz voltages, 208/230/415, Across Line Starting or Soft Start

### ***International Specifications***

50Hz voltages, 230/380/415, Across Line Starting or Soft Start

A Programmable Variable Frequency Drive is also available.

Concorde Air Dryers



## Entry Wizard 2.0

The **Entry Wizard 2.0** Entrance Controller has customer needs always in mind. Reliability, functionality, and economics play heavily in the design of the **Entry Wizard 2.0**. The unit is simple in design, economical in operation, adaptable to a variety of markets, and will accept credit cards, bills, coins and code entry. It is housed in a distinctive round cabinet.

The **Entry Wizard** touch screen has a large four by four readout that allows plenty of room for brightly lit messages, listing cycle names and prices

### SPECIFICATIONS

- Size (Base and Cabinet)
  - Height: 65"
  - Diameter: 24"
  - Weight: 270 lbs.
- Coin Capacity
  - Coin Box - \$75.00 (300 quarters)
  - Coin Hopper - \$250.00 (1000 quarters)
- Bill Capacity: 350 Bills\*
- Credit Card Reader: Neuron Magnetic Strip\*\*
- Electrical Requirements
  - Three-12 Ga. wires for the 110VAC.
  - One-1 pair 22 Ga. Shielded communication cable for connection to Swipe-N-Clean
  - One-7 conductor 22 Ga. control cable for Water Wizard control.
  - One-2-pair phone cable.
  - One-3 wire shielded cable (POS 4000)

\*\*Credit Processing Paymentech

\* Optional Bill Acceptors Available



## Motor Control Center

Hanna's Motor Control center starts and protects your system's motors. It is designed for trouble-free operation in the most severe environments and uses the highest quality components. Enclosures are made of materials that eliminate corrosion while protecting the heart of the operation. Each Motor Control Center is configured for your individual needs. It includes the main disconnect and is UL listed, meeting worldwide electrical safety standards.

### SPECIFICATIONS

- Thru-door disconnect
- Control power kill switch to stop all wash functions
- Labeled Hand, Off, Auto switches for each motor
- Electrical schematic on panel door
- Power distribution block for multi-motor panels
- Automatic shutdown of hydraulic units for low hydraulic fluid levels (Hanna-supplied hydraulic units only)
- Stagger start for multi-motor dryers



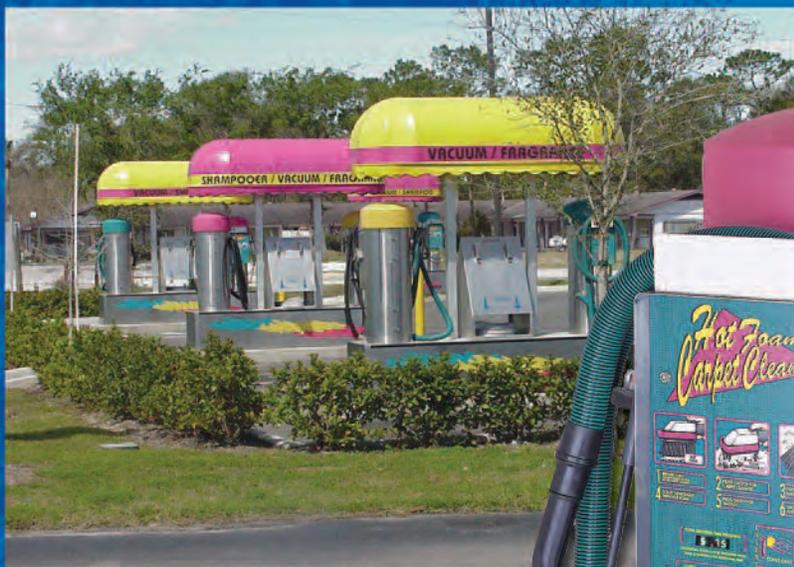
Hanna and the Jim Coleman Company supply a complete offering of Express Car Wash point-of-sale components including Entrance Gates, Pay Stations and Tunnel Controllers. Hanna's exclusive Gate Management Controller ties together all brands of gates, pay stations and tunnel equip-

## Gate Systems



ment controllers. It offers the operator the flexibility to integrate existing controllers and pay stations or upgrade as your business grows. The system can control up to 8 pay stations and gates and has override controls with multi-level password capability in the event your pay station fails.

Express Line-Up



## Vacuums

State-of-the-art equipment from an industry expert, the Round or Oval Vacuums are constructed of high quality, stainless steel. Our affordable dual-function vacuums mean long life, dependability and a higher return on your dollar than any other equipment. Vacuums are available with combinations units such as Misty Fragrance or Hot Foam Carpet Shampooers. A number of options are available that include Select-N-Touch keypad, high security bar and lock, third vacuum motor and light kit.



**High Security Lock**  
Get extra protection and peace of mind with a hardened, stainless bar guarding your cash drawer.



**High Security Lock**  
This optional lock will help reinforce the dirt door to deter vandals from "buried treasures" that may be in the dirt bag.



**Bill Acceptor**  
Increase vacuum income by simplifying the payment process. Customers use \$1 and \$5 bills, coins and/or codes.

Vacuums



*Color-coordinating colors on your vacuum decals and awnings create an attractive presentation for your site. You can also place your logo or website on these bases for some extra advertising.*



## Vacuum Islands

Stainless Vacuum Islands are very popular at today's car wash. They are attractive in design and color and are quick and easy to install. Typical masonry vacuum bases can be costly and time consuming to construct. Stainless steel vacuum islands arrive at your wash site ready to bolt down and cap off with concrete. Vacuum anchor bolts, trash can holder, and awning pole receptacles are set in precise position. You can choose between different combination units, single or double vacuum, decal design, awning and lettering color, trash can cover style and vending options. Custom designed to fit your location, stainless vacuum island make it easier to get even more profits from your wash.



## Splash-N-Dash

Splash-N-Dash is a single bay self-contained car wash. It offers a wide variety of features including low pressure Tire/engine Cleaner, High Pressure Wash, and Wax. The equipment arrives pre-wired and plumbed, is fully assembled and ready to install wherever electrical power and fresh water connections are available.



## Water Wizard 2.0

The Water Wizard 2.0 is equipped with rocker panel sprayers, high pressure undercarriage cleaning and features scrubbing, oscillating nozzles that vigorously clean the vehicle from different angles giving it more cleaning power. The On Board Rocker Panel Sprayers thoroughly clean the wheels, tires, and lower part of the vehicle with controlled efficiency. The scrubbing action oscillating nozzles are among the many advantages provided standard with the Water Wizard 2.0. Moving the high pressure water so it attacks the dirty vehicle from different angles serves to peel the dirt away and get into areas that straight on spray patterns do not touch.



## Fusion X In-Bay Automatic

The FusionX Combination Wash System includes the tremendous cleaning ability of the Water Wizard 2.0 Touchfree unit with the additional cleaning power of a three brush design soft touch wash including our unique SparkleSoft material. Every unit is equipped with Undercarriage, Rocker Panel Sprayers, Entrance Signs, Web Enabled Computer Monitoring and Stainless Steel construction. Customers have the choice of a soft touch brush wash, touchfree wash only or a combination of both.



## eFusion In-Bay Automatic

The eFusion system is designed to effectively clean a vehicle using our unique SparkleSoft foam brushes. We've taken the durability factor of the stainless frame and added three (3) soft touch brushes and an optional wheel brush. The system is extremely versatile with performance options such as High Pressure Wash, Hot Wax, Spot Free Rinse and much more. The eFusion is totally programmable to fit your wash needs and to maximize your profits.

Wash Systems



**Rapid Wash Express - Australia**  
**HANNA Tunnel Wash with the FusionX**  
**Self-Serve, Entry Wizard, Dog Wash,**  
**Vacuums and Vending Islands**



**HANNA Tunnel Washes are available in several models with many features and options for maximum cleaning and minimal labor.**





Download your **FREE**  
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100' Tunnel Car Wash  
by visiting us at:  
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*The pictures, illustrations and specifications shown are typical examples of Hanna equipment. Optional components may be included. In the interest of product improvement, we reserve the right to modify our equipment and specifications as needed without notification.*

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